

Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION  (Use several sheets if necessary)		Docket Number (Optional) 2703.8US (93-0453.08/US)	Application Number Not yet assigned
		Applicant Ball et al.	
		Filing Date August 4, 2003	Group Art Unit Unknown

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
KS	3,566,207	05/1969	Adams	—	—	
	3,685,137	08/1972	Gardiner			
	3,995,845	12/1976	Scheffer			
	4,030,657	06/1977	Scheffer			
	4,361,261	11/1982	Elles et al.			
	4,434,347	02/1984	Kurtz et al.			
	4,527,730	07/1985	Shirai et al.			
	4,600,138	07/1986	Hill			
	4,603,803	08/1986	Chan et al.			
	4,653,681	03/1987	Dreibelbis et al.			
KS	4,765,531	08/1988	Ricketson et al.	—	—	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
		/					

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages, Etc.)

KS		H.K. Charles, Jr.; <i>Electrical Interconnection</i> ; pps. 224-236.

EXAMINER <i>Dhly Stone</i>	DATE CONSIDERED 4-1-04
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance; initial if citation not considered. Include copy of this form with next communication to the applicant.

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ES	4,778,097	10/1988	Hauser	—	—	
	4,821,945	04/1989	Chase et al.	—	—	
	5,035,034	07/1991	Cotney			
	5,114,066	05/1992	Amador et al.			
	5,148,959	09/1992	Cain et al.			
	5,197,652	03/1993	Yamazaki			
	5,217,154	06/1993	Elwood et al.			
	5,307,978	05/1994	Ricketson et al.			
	5,322,207	06/1994	Fogal et al.			
	5,384,155	01/1995	Abbott et al.			
KS	5,421,503	06/1995	Perlberg et al.	—	—	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

**OTHER DOCUMENTS**

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EXAMINER	DATE CONSIDERED
<i>Xby Stone</i>	9-1-04

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Form PTO-1449 <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>		Docket Number (Optional) <b>2703.8US (93-0453.08/US)</b>	Application Number <b>Not yet assigned</b>
		Applicant <b>Ball et al.</b>	
		Filing Date <b>August 4, 2003</b>	Group Art Unit <b>Unkn wn</b>

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FS	5,425,491	06/1995	Tanaka et al.	—	—	
	5,445,306	08/1995	Huddleston	—	—	
	5,465,899	11/1995	Quick et al.	—	—	
	5,647,528	07/1997	Ball et al.	—	—	
	5,673,845	10/1997	Ball	—	—	
	5,890,644	04/1999	Ball	—	—	
	6,000,599	12/1999	Ball et al.	—	—	
	6,047,877	04/2000	Ball	—	—	
	6,062,459	05/2000	Sabyeying	—	—	
	6,290,116	09/2001	Ball et al.	—	—	
	6,305,593	10/2001	Ball	—	—	
JKS	6,325,275	12/2001	Ball et al.	—	—	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						YES NO

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER <i>Mystone</i>	DATE CONSIDERED <i>4-1-04</i>
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<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
KS	6,419,145	07/2002	Ball	—	—	
	6,435,400	08/2002	Ball et al.	—	—	
	6,464,123	10/2002	Ball et al.	—	—	
	6,484,922	11/2002	Ball	—	—	
	6,494,357	12/2002	Ball	—	—	
KS	6,604,671	08/2003	Ball et al.	—	—	
<b>FOREIGN PATENT DOCUMENTS</b>						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						YES
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)						
EXAMINER	<i>Debby Stone</i>					
	DATE CONSIDERED <i>4-1-04</i>					
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